<u>**AMENDMENTS TO THE CLAIMS**</u>

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1.   (Currently Amended) A <u>computer-implemented method to process a document, comprising:</u> ~~at least one document in a domain, the method including:~~

<u>analyzing features of a document; and</u>

<u>generating a set of domain models, as a function of the analyzed features, that represent the document</u>

~~modeling the domain with a plurality of domain models using an ontological system;~~

~~representing each document as a collection of at least one domain model; and~~

~~populating the collection of the at least one domain model that are used to represent the document with values corresponding to properties of the document being represented.~~

2.   (Currently Amended) The method of claim 1, wherein a domain model relates to ~~at least one of~~ a simple type<u>, or</u> ~~and~~ a complex type, and:

if a property for <u>the</u> ~~a~~ domain model is of the simple type, populating the domain model with a value according to the document being represented; and

if a respective property type for <u>the</u> ~~a~~ domain model is of the complex type, selectively adding another domain model as the value for that property, according to the document being represented.

3.   (Currently Amended) The method of claim <u>1 further comprising</u> ~~2, which includes~~:

searching the set of domain models ~~collection of the at least one domain model~~ to determine a subset of <u>features of</u> the ~~at least one~~ document <u>that match</u> ~~which matches the~~ search criteria.

4.   (Currently Amended) The method of claim 2, <u>comprising</u> ~~which includes~~:

<u>analyzing</u> ~~analysis of~~ the ~~collection of the at least one~~ <u>set of</u> domain models ~~that represent a collection of documents~~ by determining values of properties from at least one model.

5.   (Currently Amended) The method of claim <u>1</u> ~~2~~, <u>comprising:</u>

<u>describing the document as instances of the respective models of the set</u> ~~which includes~~:

~~analyzing the~~ <u>set of</u> ~~collection of the at least one domain~~ model<u>s</u> ~~that represents a collection of documents by determining what models are in the collection of documents~~.

6.   (Currently Amended) The method of claim <u>1 comprising:</u> ~~2, which includes:~~

setting values in <u>at least one of the</u> models that represent supplemental information ~~that is~~ not in the document ~~being represented~~ but is associated <u>to</u> the document ~~being represented~~.

7.   (Currently Amended) The method of claim 2, <u>comprising:</u> ~~wherein determining which models to use to represent the document and adding values to properties includes~~:

an automated process <u>where</u> ~~whereby~~ a list of conditions must be met in the document to populate a property with a value or set of values.

8.   (Currently Amended) The method of claim <u>1, wherein the analyzed features of the document comprises keywords</u> ~~2, wherein the models selected to represent the document and the properties set in the models are determined by a person process~~.

9.   (Currently Amended) A ~~computer-implemented~~ method ~~to facilitate locating a document, comprising:~~

~~receiving a query related to locating the document; and~~

~~searching across a plurality of domain models that respectively represent a plurality of documents; and~~

~~identifying a set of the domain models that match criteria of the receive query.~~ system to process the at least one document in a domain~~,~~; the system including:

a modeler to model the domain with a plurality of domain models using an ontological system;

a representer to represent each document as a collection of at least one domain model; and

a populator to populate the at least one domain model that are used to represent the document with values corresponding to properties the document being represented.

10.   (Currently Amended) A system to process ~~at least one~~ document~~s~~ ~~in a domain,~~ comprising: ~~the system including:~~

a ~~first~~ means for modeling a ~~the~~ domain with a plurality of domain models ~~using an ontological system~~;

a ~~second~~ means for representing respective ~~each~~ document~~s~~ as a collection of at least one domain model; and

a ~~third~~ means for populating the at least one domain model ~~that are used to represent each document~~ with values corresponding to properties of ~~the~~ respective document~~s~~ being represented.

11.   (Currently Amended) A machine readable medium storing a set of instructions that, when executed by a machine, cause the machine to:

model a ~~the~~ domain with a plurality of domain models ~~using an ontological system~~;

represent a ~~each~~ document as a collection of at least one domain model; and populate the at least one domain model ~~that are used to represent the document~~ with values corresponding to properties of the document being represented.

12.   (New) The method of claim 1, wherein generating the domain models comprises structuring the domain models so as to be searchable by a querying system.

13.   (New) The method of claim 1, comprising representing portions of the documents with respective instances of a subset of the generated domain models.

14.   (New) The method of claim 13, wherein the respective instances are computation ready representations of the portions of the documents that can be understood by a plurality of computer applications.

15.   (New) The method of claim 1, wherein the generated domain models can be queried in connection with locating a collection of documents.

16.   (New) The method of claim 1, wherein a hierarchy of domain models are generated as a function of respective analyzed features.

17.   (New) The method of claim 9, comprising searching across the domain models in connection with locating a collection of documents.